20X DVD Multi Writer: DRU-190A (1/2)

- **20X Sony DVD Multi drive retail**
- **enable to read and record all DVD and CD formats for Windows Vista/XP/2000 with one drive**
- **comes with the award winning Nero™ Software**
- **includes a additional silver bezel for customer exchange**
- **supplied with documentation in 11 European languages**

  (English, French, Spanish, German, Italian, Dutch, Portuguese, Polish, Russian, Turkish and Swedish)

20X DVD Multi Writer: DRU-190A (2/2)

Read speed: 16x max. DVD and 48x max. CD

Write speed:

DVD +R:	20x max.	DVD-R:	20x max.
DVD +R9:	8x max.	DVD-R DL:	8x max.
DVD +RW:	8x max.	DVD-RW:	6x
		DVD-RAM:	12x max.
CD-R:	48x max.	CD-RW:	32x max.

Internal 12/8cm CD and DVD drive
(half height form factor)

IDE/ATAPI interface with UltraDMA 66
(max. 66 MByte/sec transfer rate)

Tray load mechanism supporting horizontal and vertical use

Dust protected enclosure

Emergency eject

Specifications		20X DVD Multi Writer (DRU-190A)	
		DVD	CD
Transfer Rate read		16x CAV (max. 22000 kByte/s)	48x CAV (max. 7200 kByte/s)
Transfer Rate write	-R	20x CAV (max. 27500 kByte/s)	48x CAV (max. 7200 kByte/s)
	-R DL	8x ZCLV (max. 11000 kByte/s)	./.
	-RW	6x CLV (max. 8200 kByte/s)	32x ZCLV (max. 4800 kByte/s)
	-RAM	12x PCAV (max. 16600kByte/s)	./.
	+R	20x CAV (max. 27500 kByte/s)	./.
	+R9	8x ZCLV (max. 11000 kByte/s)	./.
	+RW	8x ZCLV (max. 11000 kByte/s)	./.
Access Time		160 ms	140 ms
Mechanism		motorized Tray load mechanism for horizontal and vertical use	
Interface		E-IDE / ATAPI	
Burst Tranfer Rate		PIO mode 4 / Ultra DMA 66 mode 4	
Cache Memory		2 MByte	
Media/Modes supported		DVD-ROM, DVD-R(DL), DVD-RW, DVD+R(9), DVD+RW, DVD-Video, CD-ROM, CD-ROM XA, CD-Audio, CD Extra, CD Text, CD-I Ready, CD-Bridge, Photo-CD, VideoCD, Hybrid CD	
Writing methods		DAO (disc at once), SAO (session at once), TAO (track at once) with zero gap, variable or fixed packet, multisession	
Compatibility		MPC Level 3, MultiRead, PC2001, MS Vista™ compatible	
Available bezel colours		black and silver	
Weight		0.6 kg (drive only)	
Dimensions		148mm x 42mm x 170mm	

Works with Windows Vista™

DVD MULTI RECORDER R DL

MultiRead

RW DVD+ReWritable

RW DVD+R DL